· Applicant(s):	Dean Engelhardt et al.	)
Serial No.:	08/486,069	) Group Art Unit: 1631
Filed:	June 7, 1995	) Ex'r: Ardin H. Marschel, Ph.D.

For: **NUCLEIC ACID SEQUENCING PROCESSES
USING MODIFIED NUCLEOTIDES OR NUCLEO-
TIDE ANALOGS, AND OTHER PROCESSES FOR
NUCLEIC ACID DETECTION AND CHROMO-
SOMAL CHARACTERIZATION USING SUCH
MODIFIED NUCLEOTIDES OR NUCLEOTIDE
ANALOGS**   (As PREVIOUSLY PRESENTED)

527 Madison Avenue, 9th Fl.
New York, NY 10022-4304
September 14, 2004

FILED VIA EXPRESS MAIL
Mail Stop Non-Fee Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

SECOND SUPPLEMENTAL AMENDMENT
(TO APPLICANTS' DECEMBER 31, 2003 AMENDMENT)

Sir:

This paper (Second Supplemental Amendment) follows Applicants' July 13, 2004 Supplemental Amendment and their December 31, 2003 Amendment, the latter having been filed in response to the July 1, 2003 Office Action. Because there is no outstanding office action issued since the July 1, 2003 Office Action, no extension request or fee is believed due for this paper. Authorization for any such request or fee is provided, however, on the last page of this paper should it be deemed that any such request or fee is required.

Enz-5(D8)(C2)

Amendments to the Claims are reflected in the listing of claims which begins on page 4 of this paper.
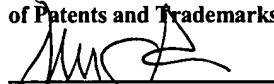
Remarks begin on page 182 of this paper.

EXPRESS MAIL CERTIFICATE
"Express Mail" Label No. EV531084066US
Deposit Date   September 14, 2004
I hereby certify that this paper and the attachments herein are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington DC 20231.

Ronald C. Fedus
Reg. No. 32,567

Sept 14 2004
Date